

CLASSIFICATION **SECRET**
CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

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SUBJECT Shortage of Cast Steel at Various EKM Plants

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1. It is reported that the planned production quotas of the East German 1953 Power Construction Program will not be realized unless the various EKM plants (Energie und Kraftmaschinenbau) connected with the program receive an immediate supply of cast steel of which they have an acute shortage.
2. The following turbine production plants need cast steel: EKM Turbinenfabrik Dresden, 120 tons; EKM Maschinenbau Goerlitz, 80 tons.
3. The orders for cast steel were originally placed with Elektrostahlgiesserei Leipzig, but, because of additional reparations orders, most of the orders were later transferred to foundries in Frankleben and Copitz and to Edelstahlwerk Doshlen. These plants, however, have not delivered the material as was planned.
4. Steel for turbine blades, of quality X 20 Cr 13, was cast some time ago at Hennigsdorf. This steel, when ground to final form, proved to be defective to a high degree, causing rejections of up to 60 percent. Because of this situation, the defective steel cast at Hennigsdorf is to be pre-rolled at Eisenwerke Linow and then returned to the steel research station at Hennigsdorf for testing in order to prevent a high rejection rate during final processing.

5. Cast steel required by plants producing turbine blades is as follows:

EKM Bergmann-Borsig	65 tons
EKM Turbinenfabrik Dresden	41.5 tons
EKM Maschinenbau Goerlitz	24 tons
Fortum works in Suhl	75 tons

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